IVECO N.V.

EXECUTIVE ORDER U-R-015-0057 New Off-Road Compression-Ignition Engines

Pursuant to the authority vested in the Air Resources Board by Sections 43013, 43018, 43101, 43102, 43104 and 43105 of the Health and Safety Code; and

Pursuant to the authority vested in the undersigned by Sections 39515 and 39516 of the Health and Safety Code and Executive Order G-02-003;

IT IS ORDERED AND RESOLVED: That the following compression-ignition engine and emission control system produced by the manufacturer are certified as described below for use in off-road equipment. Production engines shall be in all material respects the same as those for which certification is granted.

MODEL YEAR	ENGINE FAMILY	DISPLACEMENT (liters)	FUEL TYPE	USEFUL LIFE (hours)		
2004	4VEXL12.9VGT	12.9	Diesel	8000		
SPECIAL	FEATURES & EMISSION	CONTROL SYSTEMS	TYPICAL EQUIPMENT APPLICATION			
Direct Dies	el Injection, Turbocharg Electronic Control N	er, Charge Air Cooler, lodule	Harvester, Combine			

The engine models and codes are attached.

The following are the exhaust certification standards (STD) and certification levels (CERT) for hydrocarbon (HC), oxides of nitrogen (NOx), or non-methane hydrocarbon plus oxides of nitrogen (NMHC+NOx), carbon monoxide (CO), and particulate matter (PM) in grams per kilowatt-hour (g/kw-hr), and the opacity-of-smoke certification standards and certification levels in percent (%) during acceleration (Accel), lugging (Lug), and the peak value from either mode (Peak) for this engine family (Title 13, California Code of Regulations, (13 CCR) Section 2423):

RATED POWER	EMISSION STANDARD				XHAUST (g/kw-l	hr)		OF	PACITY (%	6)
CLASS	CATEGORY		НС	NOx	NMHC+NOx	co	PM	ACCEL	LUG	PEAK
225 ≤ kW < 450	Tier 2	STD	N/A	N/A	6.4	3.5	0.20	20	15	50
		CERT	-		5.9	0.9	0.14	7	3	11

BE IT FURTHER RESOLVED: That for the listed engine models, the manufacturer has submitted the information and materials to demonstrate certification compliance with 13 CCR Section 2424 (emission control labels), and 13 CCR Sections 2425 and 2426 (emission control system warranty).

Engines certified under this Executive Order must conform to all applicable California emission regulations.

This Executive Order is only granted to the engine family and model-year listed above. Engines in this family that are produced for any other model-year are not covered by this Executive Order.

Executed at El Monte, California on this _____27^{ZM} day of August 2004.

Allen Lyons, Chief

Mobile Source Operations Division

AMAZINE RODEL SUMMARY

5/27/04

U-R-015-0057

Manufacturer: IVECO N. V.

Process Code: New Submission

PA Engine Famil	EPA Engine Family: 4VEXL12.9VGT	9VGT	4 Fuel Rate:	Manufacturer	Ë.	Y I		
1.Engine Code 2.Engine Model	2.Engine Model	3.BHP@RPM (SAE Gross)	포 (S	(lbs/hr) @ peak HP (for diesels only)	6.1 orque (@ KPM (SEA Gross)	r.ruel Kate: mm/stroke@peak torque	8.Fuet Rate: (lbs/hr)@peak torque	8.Fuel Rate: 9.Emission Control (lbs/hr)@peak torque Device Per SAE J1930
F3BE0681A*B001	F3BE0681	532@ 1900	295	AN	1733@1000	335	NA	DDI, TC, CAC, ECM
-3BE0681U*B151	F3BE0681	493@1900	265	AN	1623@1000	306	ΑΝ	DDI, TC, CAC, ECM
F3BE0681S*B151	F3BE0681	449@2100	225	NA	1475@1100	273	N A A	DDI, TC, CAC, ECM
F3BE0681T*B151	F3BE0681	405@2100	205	Ϋ́	1365@1100	253	ΑN	DDI, TC, CAC, ECM
F3BE0681R*B151	F3BE0681	519@1900	279	¥	1623@1000	306	Ϋ́	DDI, TC, CAC, ECM